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## Abstract

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The invention proposes a method and a measuring system for testing the function of LCD displays comprising individual display segments, based on the difference in the electrical capacitance  $C_{seg}$  of defective and intact display segments. The method is based on the direct determination of the capacitance of the display segments with a capacitance measuring method by measuring the stored electrical charge. As a preferred measuring method, a method is proposed, in which a charge transfer through a reference capacitor  $C_{ref}$  proceeds and the segment capacitance  $C_{seg}$  is determined by means of a charge balance, preferably by means of a  $\Delta\Sigma$  conversion.

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(Fig. 4)